



1000

810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990

19960006.q DNOVTSFDPNRNLIGCISVYKAVLRSRT AVAIKVLDHKMALKS VAAECEALRNVRHMLVKLVTCASID FSGNEFRALVYELMSGSQSVEDLIHKGRQ GBN VAGVN ADMIESTAIDVASALDYLHNDCG EGVVHCDIKEENVLDDPDMIAKVKCDFIWWVGTVNHQCR PNS

55310015.q DLYRATDENERNLIVGICISVYKAVLHSAT PGAVKLDHKMIGAKNS VAECEIDSTIRHRNLVKLTCSSID FSGNEFRALVYEFMNGSLSEDWIGRR HEDSERLS AVEVSIIDIASALEYMHGSSCR QGVVHCDIKEENVLDDPDMIAKVKCDFIWWVGTVNHQCR S

83582780.q DLAKATEPSATNLLGSCGTPSISVYKAVLHSAT PGAVKLDHKMIGAKNS VAAECEALRNVRHMLVKLVTCASID FSGNEFRALVYEFMNGSLSEDWIGRR HEDSERLS AVEVSIIDIASALEYMHGSSCR QGVVHCDIKEENVLDDPDMIAKVKCDFIWWVGTVNHQCR S

83582786.q IVRATDPSSTNLLGSCGTPSISVYKAVLHSAT PGAVKLDHKMIGAKNS VAAECEALRNVRHMLVKLVTCASID FSGNEFRALVYEFMNGSLSEDWIGRR HEDSERLS AVEVSIIDIASALEYMHGSSCR QGVVHCDIKEENVLDDPDMIAKVKCDFIWWVGTVNHQCR S

AK103869.q OGQQTQDREPRNLIGCISVYKAVLHSAT PGAVKLDHKMIGAKNS VAAECEALRNVRHMLVKLVTCASID FSGNEFRALVYEFMNGSLSEDWIGRR HEDSERLS AVEVSIIDIASALEYMHGSSCR QGVVHCDIKEENVLDDPDMIAKVKCDFIWWVGTVNHQCR S

83582775.q IVRATDPSATNLLGSCGTPSISVYKAVLHSAT PGAVKLDHKMIGAKNS VAAECEALRNVRHMLVKLVTCASID FSGNEFRALVYEFMNGSLSEDWIGRR HEDSERLS AVEVSIIDIASALEYMHGSSCR QGVVHCDIKEENVLDDPDMIAKVKCDFIWWVGTVNHQCR S

AK102251.q IUVKATDPSIANLLGSCGTPSISVYKAVLHSAT PGAVKLDHKMIGAKNS VAAECEALRNVRHMLVKLVTCASID FSGNEFRALVYEFMNGSLSEDWIGRR HEDSERLS AVEVSIIDIASALEYMHGSSCR QGVVHCDIKEENVLDDPDMIAKVKCDFIWWVGTVNHQCR S

83582782.q IUVKATDPSIANLLGSCGTPSISVYKAVLHSAT PGAVKLDHKMIGAKNS VAAECEALRNVRHMLVKLVTCASID FSGNEFRALVYEFMNGSLSEDWIGRR HEDSERLS AVEVSIIDIASALEYMHGSSCR QGVVHCDIKEENVLDDPDMIAKVKCDFIWWVGTVNHQCR S

Xa21.q IUVKATDPSIANLLGSCGTPSISVYKAVLHSAT PGAVKLDHKMIGAKNS VAAECEALRNVRHMLVKLVTCASID FSGNEFRALVYEFMNGSLSEDWIGRR HEDSERLS AVEVSIIDIASALEYMHGSSCR QGVVHCDIKEENVLDDPDMIAKVKCDFIWWVGTVNHQCR S

83582717.q IUVKATDPSIANLLGSCGTPSISVYKAVLHSAT PGAVKLDHKMIGAKNS VAAECEALRNVRHMLVKLVTCASID FSGNEFRALVYEFMNGSLSEDWIGRR HEDSERLS AVEVSIIDIASALEYMHGSSCR QGVVHCDIKEENVLDDPDMIAKVKCDFIWWVGTVNHQCR S

2phk_Phk GFEVYKEEPLRATLKEVPTCK EYAVKLIDVGGCSFA BEVEBLRAATLKEVDILRKVSGHENIQQLDTYEINTEFLFEDDKKCEELDYLTEKVT LSEKE TEKIMARALLEVALCERHNUN IVERDLKPEBENILLDDDMNIKLFDFESCOLDEGERLRVCCIT

lir3_IRK WENPREKILRLRSPGSRMVYEGNARDIKG EAETRVKTKTNEASPERIEPLN ASVNKGFCITC HVVPVLEEVVKGO PTIIVMEPLPHDLSYPLRPEAANNPGRPPPTLEPMQMAETADCMAYLNAKKF IVERDLKPEBENILLDDDMNIKLFDFESCOLDEGERLRVCCIT

lias_TGFbR ORTIATIVLQEIKCRFCEV RGRKRCREE VAVKLFSSREERSNFR EAPLYQTVMLRHENIIGTAADONKDN GTWTQLWLVDSDYEPHQSLEDYIN RYITVTEVGMKRLPLASTASCLAHHEIVGTQCKPAHARDLKSKNILVKRNGTCCIDPLA LAVRHDSEATDIDIADIN

1200

1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190

19960006.q DAT GMLLSEUTTCRKPVDLQFGGDLNLEKMWDRGEPPRAREPVDVDRGRT IVDICHEGQOOASAECOKRQOMLNNLTLPLVPEV

55310015.q THHNMKOTIYVIFP EYCYSAKISTGDIYSYSCIMILEITCKBPPVDDQMFGBEMLKTMWRASTIPHCADIVVDRKFMNTGESESSADGQQQQQVDTVSKLLSETLLVPMVQVAL

83582780.q SMG FRCTIISYAAP EYCAANIVSTGDIYSYSCILVLEDVTCKRPTDNRFRQGSLREYEQADHGTEITMDIVDSQTLIE DEN ECALQ DSSYKRIIDCLIS LRLREV

83582786.q SMG FRCTIISYAAP EYCAANMVSSTGDIYSYSCILVLEDVTCKRPTDNRFRQGSLREYEQADHGTEITMDIVDSQTLIE LTN GIPGTGNDATYKRVKRECIVL LRLREV

AK103869.q SMG LRCTIISYAAP EYCAANTVSTGDIYSYSCILVLEDVTCKRPTDNRFRQGSLREYEQADHGTEITMDIVDSQTLIE LEN ERLRTTDEY KVMIDCLVS LRLRE

83582775.q SIL FRCTIISYAAP EYCAANTVSTGDIYSYSCILVLEDVTCKRPTDNRFRQGSLREYEQADHGTEITMDIVDSQTLIE IDQHDPETTDDFSKQKIDCLIS LRLRE

AK102251.q SMG FRCTIISYAAP EYCAANTVSTGDIYSYSCILVLEDVTCKRPTDNRFRQGSLREYEQADHGTEITMDIVDSQTLIE LEN EFQTAADDSSCKGGINC LVA LRLRE

83582782.q SMG FRCTIISYAAP EYCAANTVSTGDIYSYSCILVLEDVTCKRPTDNRFRQGSLREYEQADHGTEITMDIVDSQTLIE LEN SEK WLQARDVSPCSSITECLVS LRLRE

83582717.q SMG IRCTIISYAAP EYCVNTASTGDIYSYSCILVLEDVTCKRPTDNRFRQGSLREYEQADHGTEITMDIVDSQTLIE SEN WLNSTNNSPCRITTEIVS LRLRE

Xa21.q SMG FCTIISYAAP EYCVCHIASTGDIYSYSCILVLEDVTCKRPTDNRFRQGSLREYEQADHGTEITMDIVDSQTLIE LEN APPATSMDGSSERVNSLIS LRLRE

83582784.q SMG FRCTIISYAAP EYCVCHIASTGDIYSYSCILVLEDVTCKRPTDNRFRQGSLREYEQADHGTEITMDIVDSQTLIE LEN FWERKQNLMLRMSG NYQFGSPSEWDDYSDIVKDLVS RFLUWVQ

2phk_Phk PSYLAPELIEPSIN ELLKDGVETTSSDM SRGVVLLNEETS IMMKHFESFKRADLYA GLFWETARRCSIGGIHEDYQPYYDILVSDPSVEEMRKVVCEKTR

lir3_IRK ILP VRMAP ELLKDGVETTSSDM SRGVVLLNEETS IMMKHFESFKRADLYA GLFWETARRCSIGGIHEDYQPYYDILVSDPSVEEMRKVVCEKTR

lias_TGFbR HRVGTKRYMAPEVLDSS

1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320 1330 1340 1350 1360 1370 1380 1390

19960006.q SCALPSDPESTMRDAlCPKIKPEAFLNKHSE

55310015.q CCVIREPSDMSHBDAlSRKIKPEAFLNKHSE

83582780.q SCSELPLSMRITTDIVNEIHAIRELLR ERVIEDGSVVNVITLE

83582786.q SCSELPLSMRITTDIVNEIHAIRELLR ERVIEDGSVVNVITLE

AK103869.q YCSSEIPSNRMSTGDIIKELNAIKOILL

83582775.q SCSEMPSSRLSTGDIIKELNAIKOILL

AK102251.q YCSSEIPSNRMSTGDIIKELNAIKOILL

83582782.q SCSELPSRQAGDVINELRAKELSMSM

83582717.q SCSELPSRQAGDVINELRAKELSMSM

Xa21.q SCSELPSRQAGDVINELRAKELSMSM

83582784.q SCSELPSRQAGDVINELRAKELSMSM

83513975.q ICSCEMPLSMRSTGDIIKELNAIKOILL

2phk_Phk POKRTAABEAHFFQY

lir3_IRK KMRPTFELIVNLLKDDIHPSPFVFSSFFHEEKNK

lias_TGFbR YANGAARLTALRIKKITSONSQCEGKMM